

## PATENT COOPERATION TREATY

Rec'd PCT/PTO

01 JUL 2005

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

OKABE, Masao  
No. 602, Fuji Bldg.  
2-3, Marunouchi 3-chome  
Chiyoda-ku, Tokyo 100-0005  
JAPAN



## INVITATION TO PAY ADDITIONAL FEES

(PCT Article 17(3)(a) and Rule 40.1)

Date of mailing (day/month/year)	06/08/2004
Applicant's or agent's file reference CFO18212WO	<b>PAYMENT DUE</b> within 45 <del>XXXX</del> days from the above date of mailing
International application No. PCT/JP2004/004348	International filing date (day/month/year) 26/03/2004
Applicant  CANON KABUSHIKI KAISHA	

## 1. This International Searching Authority

- (i) considers that there are 2 (number of) inventions claimed in the international application covered by the claims indicated ~~XXXX~~ on the extra sheet:

and it considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated ~~XXXX~~ on the extra sheet:

- (ii) ☒ has carried out a partial international search (see Annex) ☐ will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.:

see annex

- (iii) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid


2. The applicant is hereby **invited**, within the time limit indicated above, to pay the amount indicated below:

EUR 1.550,00 x 1 = EUR 1.550,00  
Fee per additional invention      number of additional inventions      total amount of additional fees

Or, \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

The applicant is informed that, according to Rule 40.2(c), the payment of any additional fee may be made under protest, i.e., a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fee is excessive.

3. ☐ Claim(s) Nos. \_\_\_\_\_ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Mustafa Corapci
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# Important Information for Applicants outside Europe

## general

- the **claims cannot be changed** at this point in the procedure, the transmitted report is **not** the ISR (see PCT Art. 19)
- non-payment does not lead to a **loss of rights**, a new procedure will be started on entry into the regional or national phase
- any payments have to be effected **directly** to this ISA (account details below), payments to other entities will not be accepted
- in case of a **total of more than 2 inventions** found: when paying please **specify exactly** which claims should be searched
- an **extension of the set time limit** cannot be granted, as the total number of days **must not exceed 45 days** (PCT Rule 40.3)

## payment by cheque or money transfer:

- the **date of payment** is considered to be the **date the money is booked** in the EPO account
- faxed cheques are not considered to be a valid payment
- only payments in EUR are accepted, no equivalents in other currencies
- payments by **credit card** are **not possible**

## payment by deposit account:

- the **date of payment** is considered to be the date that the **authorisation** to deduct fees from the deposit account is **received at the EPO**

## payments under protest according to Rule 40 PCT:

- the protest will **not be accepted without a payment** of additional search fee(s)
- the protest has to be **accompanied by a technical reasoning**
- no **protest fee** needs to be paid yet, only additional **search fee(s)**

## Account Details

Euro accounts of the European Patent Organisation

N° 3 338 800 00 (BLZ 700 800 00)  
Dresdner Bank  
Promenadeplatz 7  
D-80273 München  
SWIFT Code: DRESDEFF700

N° 300-800 (BLZ 700 100 80)  
Postbank AG  
Bayerstr. 49  
D-80138 München

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12

An HF signal control device comprising a transmitter and a receiver and a radiating structure that allows variably changing the degree of coupling of the transmitted and received signals.

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2. claims: 13-24

A generator for generating a high frequency electrical signal from a laser beam.

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The International Search Division considers that there are 2 inventions covered by the claims indicated as follows:

- I. Claims 1-12 directed to a HF signal control device.
- II. Claims 13-24 directed to a generator for generating a high frequency electrical signal from a laser beam.

The International Search Division has carried out a partial search which relates to the first invention (I) mentioned above. The applicant is invited to pay additional search fees for invention II as listed above. The reasons for which the present application has been deemed to contain 2 inventions which are not linked such that they form a single general inventive concept, as required by Rule 13.1 PCT are as follows:

The prior art has been identified as D1: EP0852409

The document D1 discloses (the references in parentheses applying to this document):

A high frequency electrical signal control device, comprising a transmitter for generating a high frequency electrical signal, a receiver, a transmission line for propagating the electrical signal, and a structure for radiating the electrical signal propagated through the transmission line to the space or receiving a signal from the space (column 2, lines 54-58), wherein the degree of coupling of the electrical signal between the space and the transmission line provided by the structure can be variably controlled (column 3, lines 6-14).

INVENTION 1

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From comparison of the disclosure of the prior art and the technical features of claims 1-12, the following features of the previously mentioned claims are considered to make a contribution over the prior art (Special Technical Features (STF), Rule 13.2 PCT):

A movable portion for turning ON/OFF an electrical contact (claim 5).

From this STF the objective problem to be solved by the first invention can be how to control the ratio of coupling to the antenna (description page 9, lines 8-9).

#### INVENTION 2

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From comparison of the disclosure of the prior art and the technical features of claims 13-24 the following features of the previously mentioned claims are considered to make a contribution over the prior art (Special Technical Features (STF), Rule 13.2 PCT):

A laser device for generating a laser beam.

From this STF the objective problem to be solved by the second invention can be how to generate a electrical signal from an optical signal.

The above analysis shows that the special technical features of invention I (claims 1-12) are neither the same as nor corresponding to those of invention II (claims 13-24).

**Annex to Form PCT/ISA/206  
COMMUNICATION RELATING TO THE RESULTS  
OF THE INTERNATIONAL SEARCH**

International Application No  
PCT/JP2004/004348

1. The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.:
- see 'Invitation to pay additional fees'
2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
4. If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on other parts of the international application for which such fees will have been paid.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 852 409 A (MURATA MANUFACTURING CO) 8 July 1998 (1998-07-08) column 2, line 54 - column 3, line 14 column 6, line 43 - line 56; figure 5 column 7, line 54 - line 56 column 10, line 1 - line 21; figure 14 column 11, line 29 - line 34	1-4, 6-8, 10, 12
Y	-----	5, 9, 11
Y	US 2001/049266 A1 (HAYATA KAZUKI ET AL) 6 December 2001 (2001-12-06) paragraph '0174!; figure 7 -----	5
Y	EP 0 828 143 A (LUCENT TECHNOLOGIES INC) 11 March 1998 (1998-03-11) column 5, line 28 - line 53; figure 1 column 6, line 30 - line 45; figure 2 column 6, line 55 - column 7, line 15 -----	9, 11
A	GB 2 371 618 A (TERAPROBE LTD ; TERAVIEW LTD (GB)) 31 July 2002 (2002-07-31) page 24, line 7 - line 27; figure 11 ----- -/--	11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

**Annex to Form PCT/ISA/206  
COMMUNICATION RELATING TO THE RESULTS  
OF THE INTERNATIONAL SEARCH**

International Application No.

PCT/JP2004/004348

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>NUSS M C: "CHEMISTRY IS RIGHT FOR T-RAY IMAGING LASER, MICROWAVE, AND SIGNAL PROCESSING TECHNOLOGIES A PERFECT BLEND FOR APPLICATIONS IN PACKAGING, SECURITY, AND QUALITY CONTROL" IEEE CIRCUITS AND DEVICES MAGAZINE, IEEE INC. NEW YORK, US, vol. 12, no. 2, 1 March 1996 (1996-03-01), pages 25-30, XP000589127 ISSN: 8755-3996 page 26, left-hand column, line 7 - right-hand column, line 21; figure 2 -----</p>	11

# Patent Family Annex

Information on patent family members

International Application No

CT/JP2004/004348

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0852409	A	08-07-1998	JP 3186622 B2	11-07-2001
			JP 10200331 A	31-07-1998
			CN 1188995 A , B	29-07-1998
			DE 69806276 D1	08-08-2002
			DE 69806276 T2	07-11-2002
			EP 0852409 A2	08-07-1998
			US 2001013842 A1	16-08-2001
			US 2003214457 A1	20-11-2003
			US 2002018022 A1	14-02-2002
US 2001049266	A1	06-12-2001	JP 2002076721 A	15-03-2002
			JP 2002016406 A	18-01-2002
			DE 10120248 A1	28-03-2002
EP 0828143	A	11-03-1998	US 5789750 A	04-08-1998
			EP 0828143 A2	11-03-1998
			JP 10104171 A	24-04-1998
GB 2371618	A	31-07-2002	EP 1356263 A2	29-10-2003
			WO 02061398 A2	08-08-2002
			US 2004095147 A1	20-05-2004